

In the United States Patent and Trademark Office**RECEIVED**
7/31/02**Serial Number:** 09/207,339**Application Filed:** 1998 December 8**Applicants:** Topping et al.**Application Title:** Automated Identification Through Analysis of Optical
Birefringence Within Nail Beds**Examiner/GAU:** Bali, V./2623**Mailed 20 November 2001****at San Francisco, CA****Amendment A****Commissioner for Patents****Washington, District of Columbia 20231****Sir:****In response to the Office Action of 2001 May 23, please amend the above application as follows:****Claims****Cancel claims 1-20 and add new claims 21-40 as follows:****21. (New) A system for determining the identity of a pattern on an area, comprising:**

- a. a light source other than a laser, having a predetermined spectral bandwidth for producing a collimated beam of light,
- b. a beam splitter for splitting said collimated beam of light into a plurality of beams,
- c. a modulating frequency source for modulating the frequency of one of said plurality of beams,